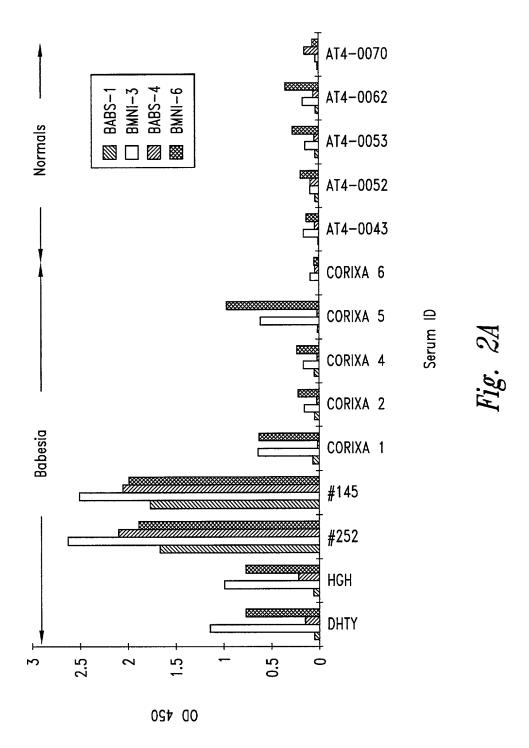
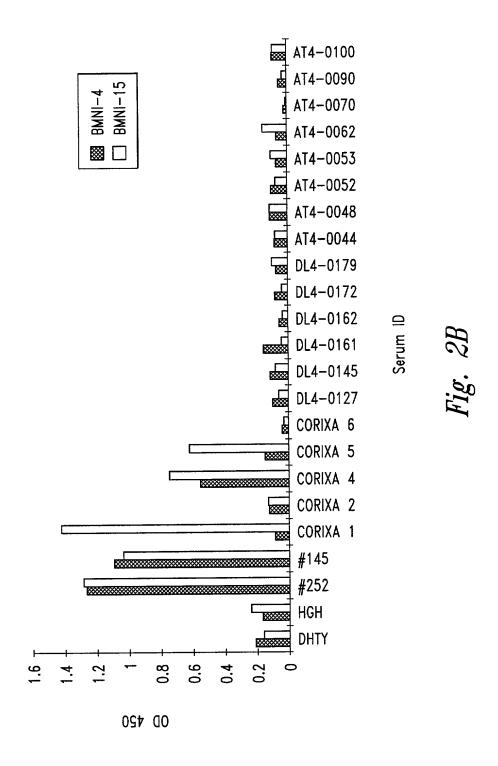


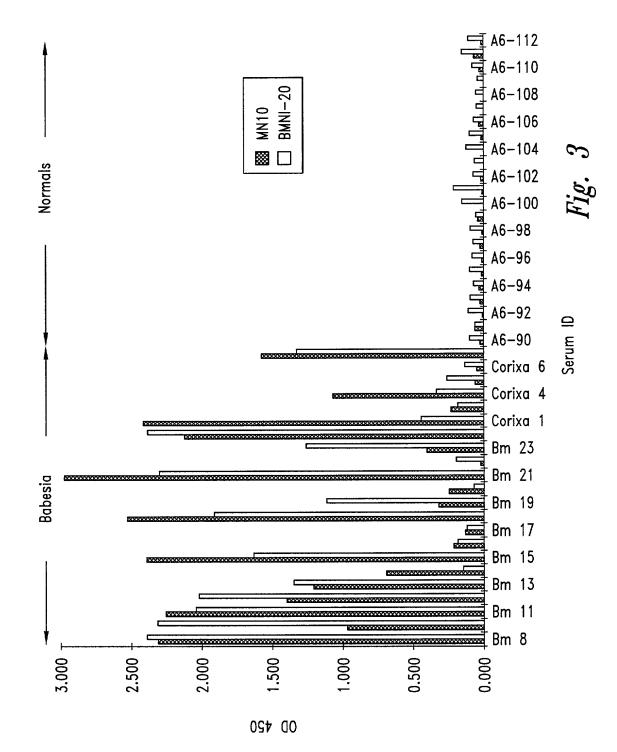
Fig. 1A

CTCAGTCTTAAATGAAGAAATTGGGATAAATATGGAAATAGATTAAAGTAACATGAGAAAGATGAATATAATATTAGAATATGAAATTTAACAGAAATAAAATGAAGTAAAAGAGTGTATTTTGT 1375 1500 1625 1750 1875 2000 TCATATTCATATTCTTTAGAAATATAACGAAAATTAGATGTAACTTCGCCACTTACAAGTAAACTACCATCAATATAATAATAATGAATACCATTCATGTCCGTATATTCTTTATATTTTTTATC 2125 ATATTITATTITGTGATTATTCATTGTATCATTATTCAATGAGAGAAATAATAGCAGAAAGATCCTTCTATAGAAACATAAAATTCAATTAATACTGGATTATTATGTTTGCAAGTATA 2250 2375 CGATÇATGTATACAAATACŢATTGŢTAAAĢGTTCÇCTATÇCTTAŢAATTAAAGTGGCCAATAAGATTGGÇATTAATTACATTAGŢGGTAŢTTGŢAATAGŢATCAŢTAGŢGGTAÇŢGACĄ GTTGTTATAGGTTTTGATTTCCATAATGAAACATCATTTTTATCTACACAATACA 2430

Fig. 1B







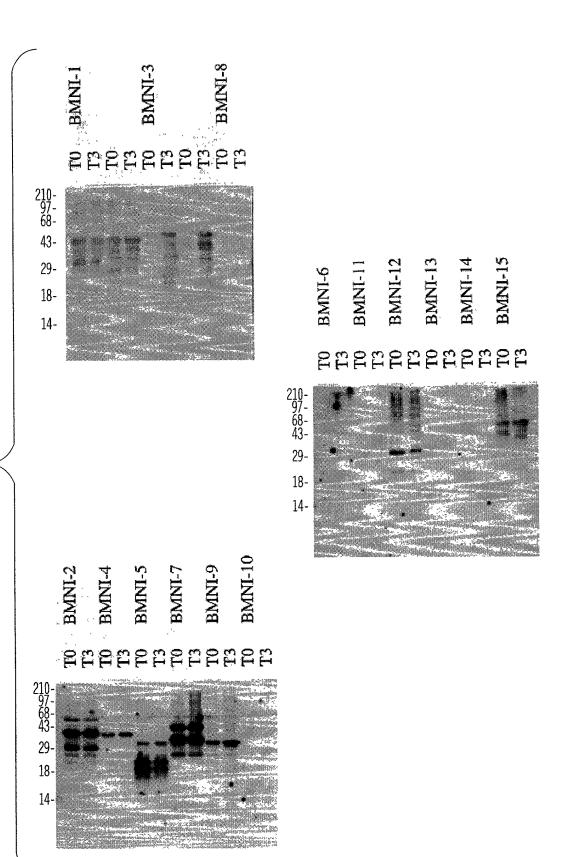


Fig. 4

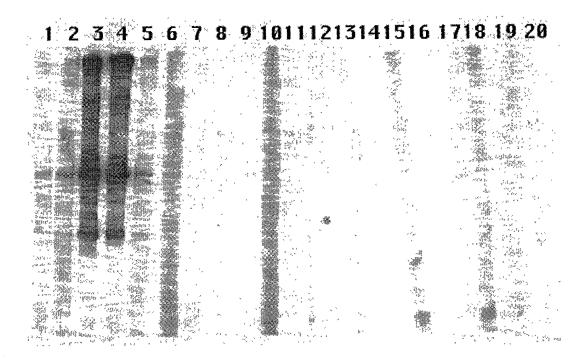


Fig. 5

| BI254 | | AGDTDREA | GGPSGTVGP. | | |
|--------|-------------------|-------------------|-------------------|-------------------|-------------------|
| BI1053 | | GDTDREA | GGPSGTVGP. | | |
| BI2227 | | AGDTDREA | GGPSGTVGP. | | .SEAGGPSEA |
| BI2259 | | AGDTDREA | GGPSGTVGP. | | .SEAGGPSEA |
| BI2253 | | EA | GGPSGTVGP. | ********* | .SEAGGPSEA |
| GRAC,S | | GDTDREA | GGPSGTVGP. | SEAGG | PSEAGGPSEA |
| FISH,S | | AGDTDREA | GGPSGTVGPS | SAGGPSEAGG | PSEAGGPSEA |
| MN1HAM | | AGDTDREA | GGPSGTVGP. | | SEA |
| MN2 | | AGDTDREA | GGPSGTVGP. | | |
| MN1PAT | | AGDTDREA | GGPSGTVGP. | | SEA |
| Bmni-6 | YITLFLMSGA | VFAGDTDREA | GGPSGTVGP. | | SEA |
| MN3 | | AGDTDREA | GGPSGTVGP. | | .SEAGGPSEA |
| MR.T | | AGDTDREA | GGPSGTVGP. | | .SEAGGPSEA |
| | 51 | | | | 100 |
| BI254 | SEAGGPS | EAGGPSGTVG | PSEAGGPSEA | GGPSGTGWPS | EAGGPSGTVG |
| BI1053 | SEAGGPS | EAGGPSGTVG | PSEAGGPSEA | GGPSGTGWPS | EAGGPSGTVG |
| BI2227 | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSEAGW |
| BI2259 | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSEAGW |
| BI2253 | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSEAGW |
| GRAC,S | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSEAGW |
| FISH,S | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSEAGW |
| MN1HÁM | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSGTGW |
| MN2 | SEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSGTGW |
| MN1PAT | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSGTGW |
| Bmni-6 | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSHAGGPS | EAGGPSGTGW |
| MN3 | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSGTGW |
| MR.T | GGPSEAGGPS | EAGGPSEAGG | PSEAGGPSEA | GGPSEAGGPS | EAGGPSGTGW |
| | 101 | | | | 150 |
| BI254 | PSEAGGP | | EAGGPSGTGW | PSGTGWPSEV | GWPSERFGYQ |
| BI1053 | PSEAGGP | \$ | EAGGPSGTGW | PSGTGWPSEV | GWPSERFGYQ |
| BI2227 | PSEAGWPSEA | GGPSGTGWPS | EAGWPSEAGW | PSEAGWPSEA | GW |
| BI2259 | PSEAGWPSEA | GGPSGTGWPS | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| BI2253 | PSEAGWPSEA | GGPSGTGWPS | EAGWPSEAGW | PSEAGWPSEA | GWPSER |
| GRAC,S | PSEAGWPSEA | GGPSGTGWPS | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| FISH,S | PSEAGWPSEA | GGPSGTGWPS | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| MN1HAM | PSEAGWP | s | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| MN2 | PSEAGWP | \$ | EAGWPSEAGW | PSEAGWPSEA | GW |
| MN1PAT | PSEAGWP | \$ | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYO |
| Bmni-6 | PSEAGWP | | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| MN3 | PSEAGWP | \$ | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| MR.T | PSEAGWP | \$ | EAGWPSEAGW | PSEAGWPSEA | GWPSERFGYQ |
| | | | | | |

| | 151 | 177 |
|--------|------------|--------------------|
| BI254 | LLWYSRRIVI | |
| BI1053 | LLWYSRRIVI | |
| BI2227 | | |
| BI2259 | LLWYSRRIVI | |
| BI2253 | | |
| GRAC,S | LLWYS | |
| FISH,S | | |
| MAHTMM | LLWYSRRIVI | |
| MN2 | | |
| MN1PAT | LLWYS | |
| Bmni-6 | | FNEIYLSHIY EHSVMIL |
| MN3 | LLWYSR | |
| MR.T | LLWYSR | |

Fig. 6B